

FIG. 1

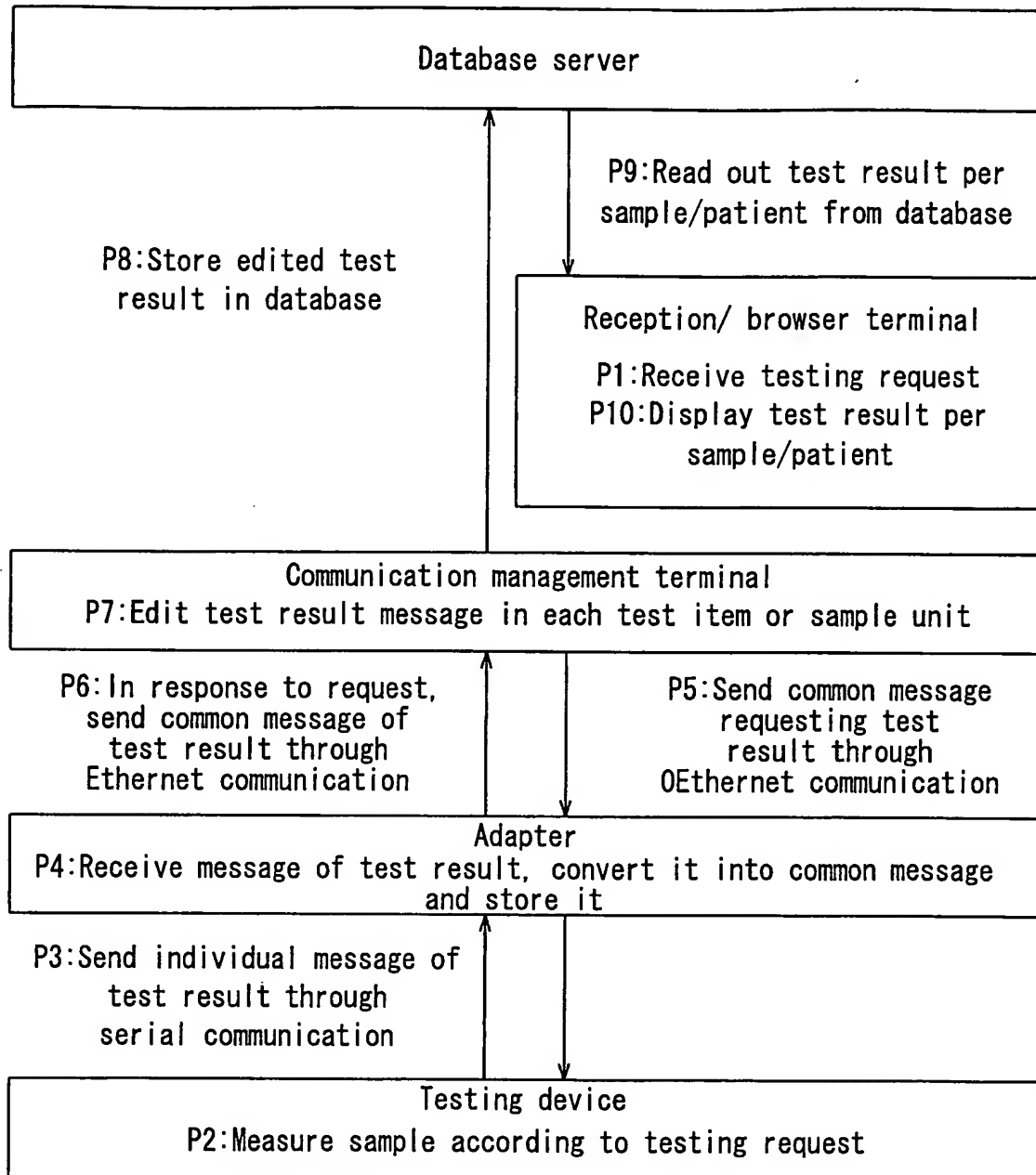


FIG. 2

Inventor: Yamada et al.
Docket No.: 10873.1665USWO
Title: DATA RELAY DEVICE AND DATA MANAGEMENT SYSTEM USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612.371.5237
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Message item	The number of digits
Message start code <RESULT>	8
Device serial ID	10
Device name	20
Test date and time yyyyymmddhhnnss	14
Barcode ID	20
Measurement number	6
Measurement identification code	2
The number of test items	2
Test item name	2
Test result data	20
Test error information	10
Test result data	20
Test error information	10
...	...
The number of image items	2
Image data	Variable
...	...
Message end code </RESULT>	9

FIG. 3

Message item	The number of digits
Message start code <REQUEST>	9
Ethernet connection IP address	20
Device serial ID	10
Device name	20
The number of test data requests (When not specified, all data)	3
Message end code </REQUEST>	10

FIG. 4

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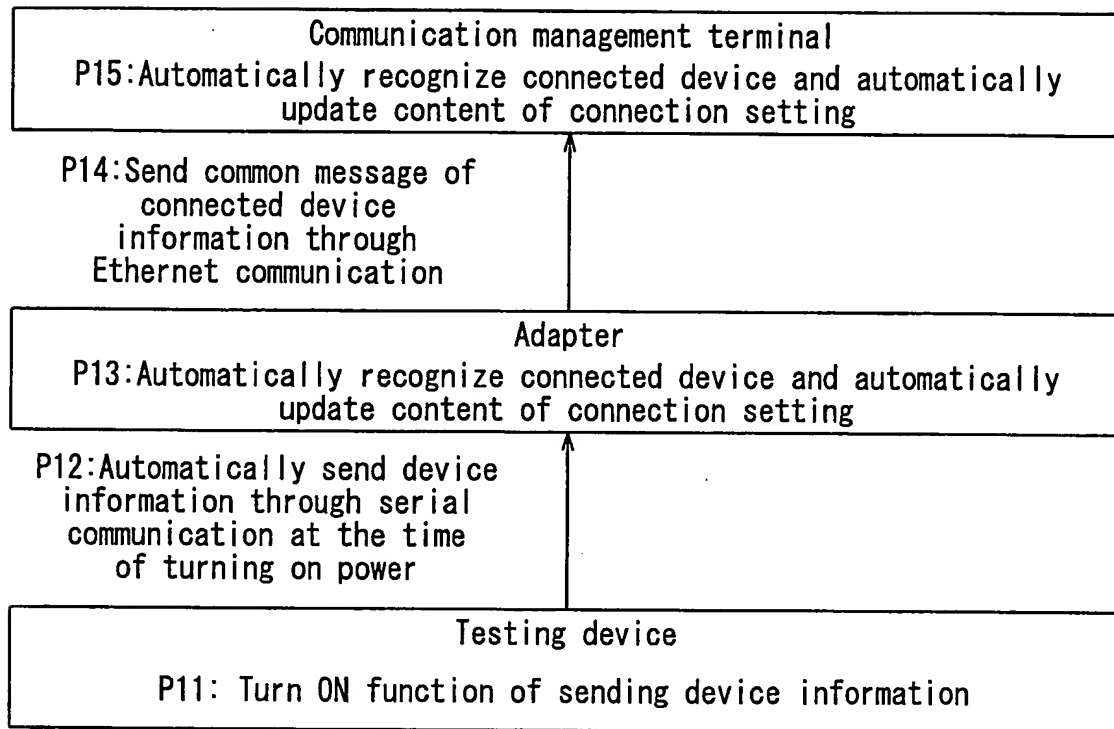


FIG. 5

Inventor: Yamada et al.
Docket No.: 10873.166SUSWO
Title: DATA RELAY DEVICE AND DATA MANAGEMENT SYSTEM USING THE SAME
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Phone No.: 612.371.5237
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Message item	The number of digits
Message start code <RESULT>	8
The number of connected devices	2
Device serial ID	10
Device name	20
...	...
Message end code </RESULT>	9

FIG. 6

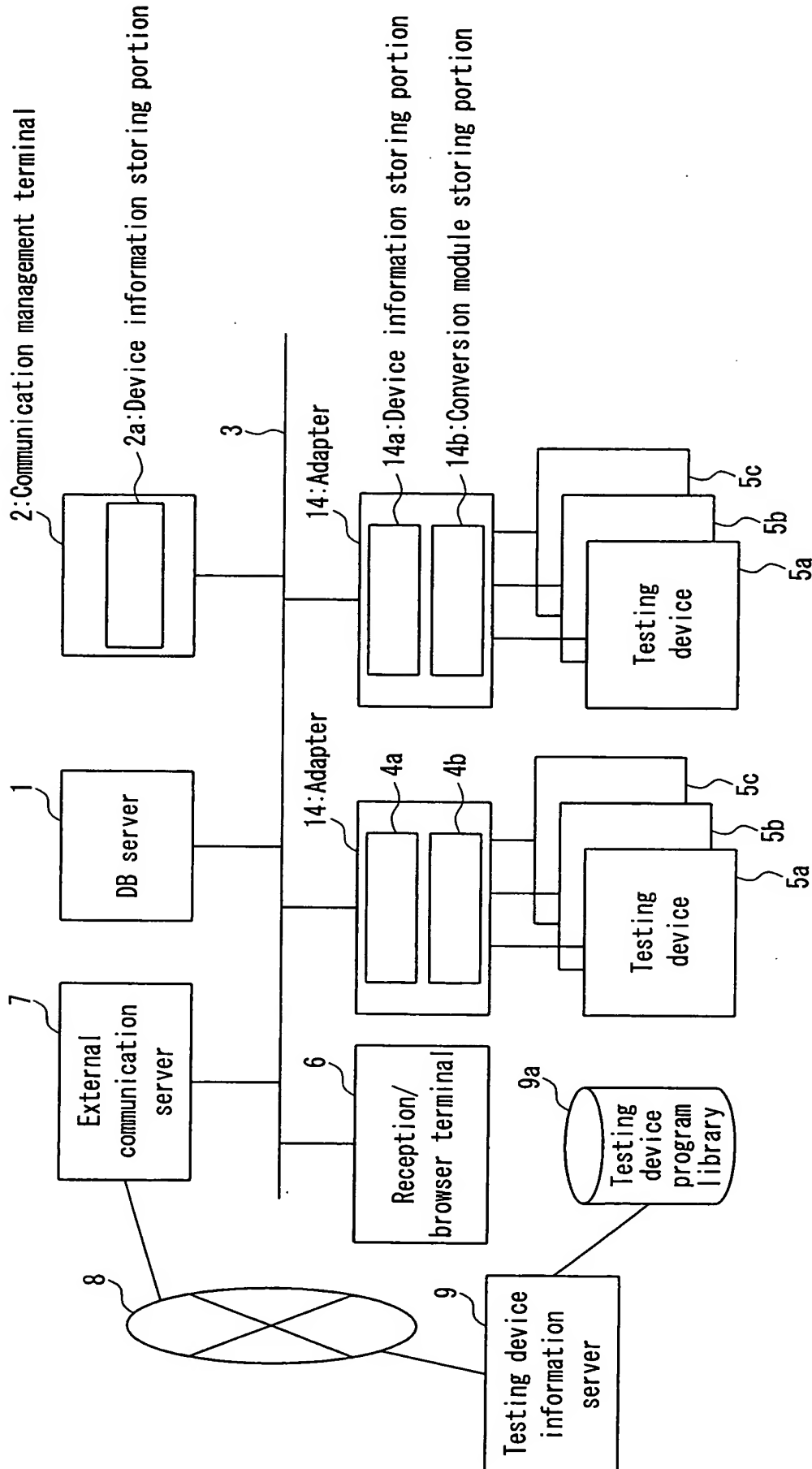


FIG. 7

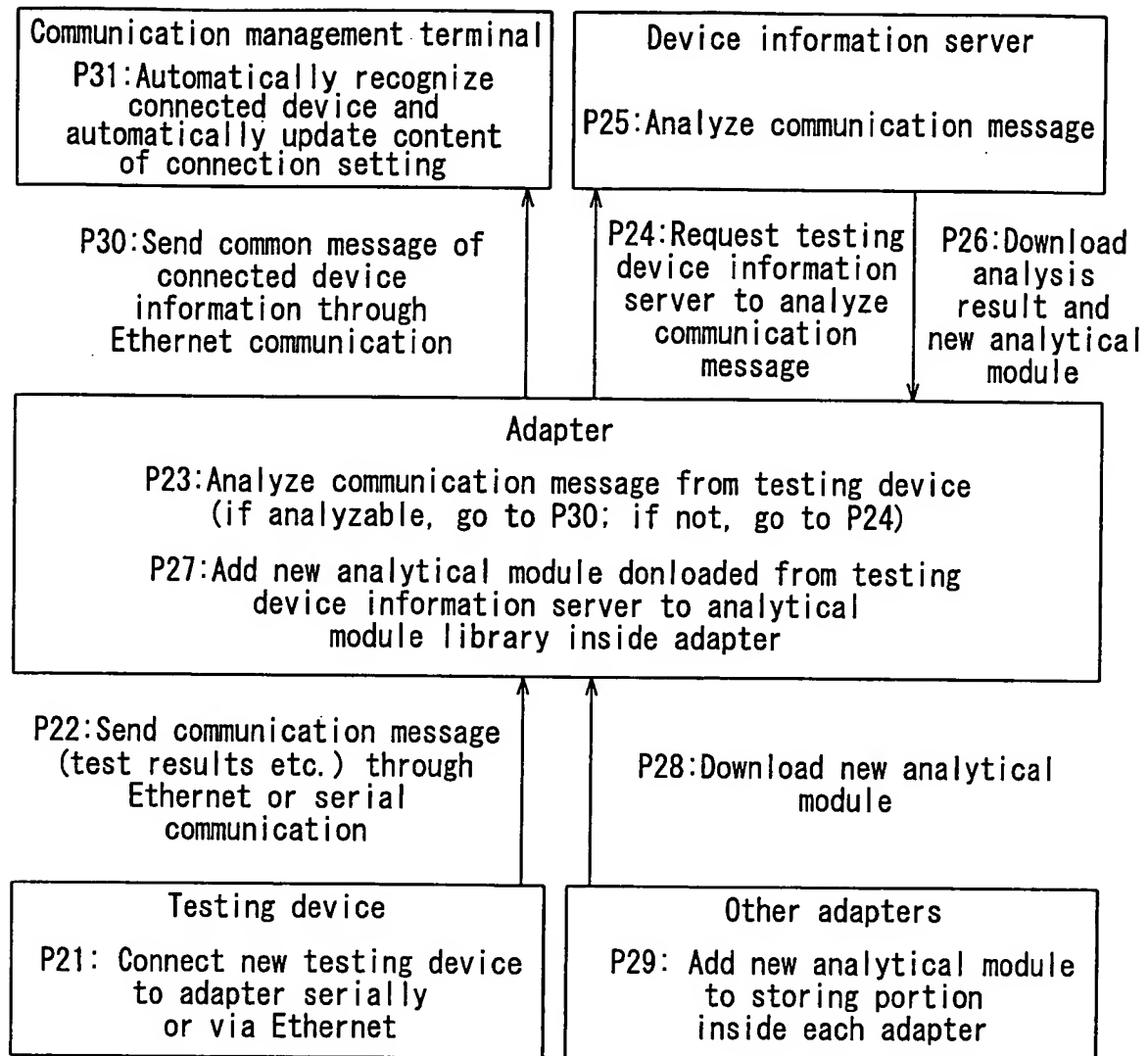


FIG. 8

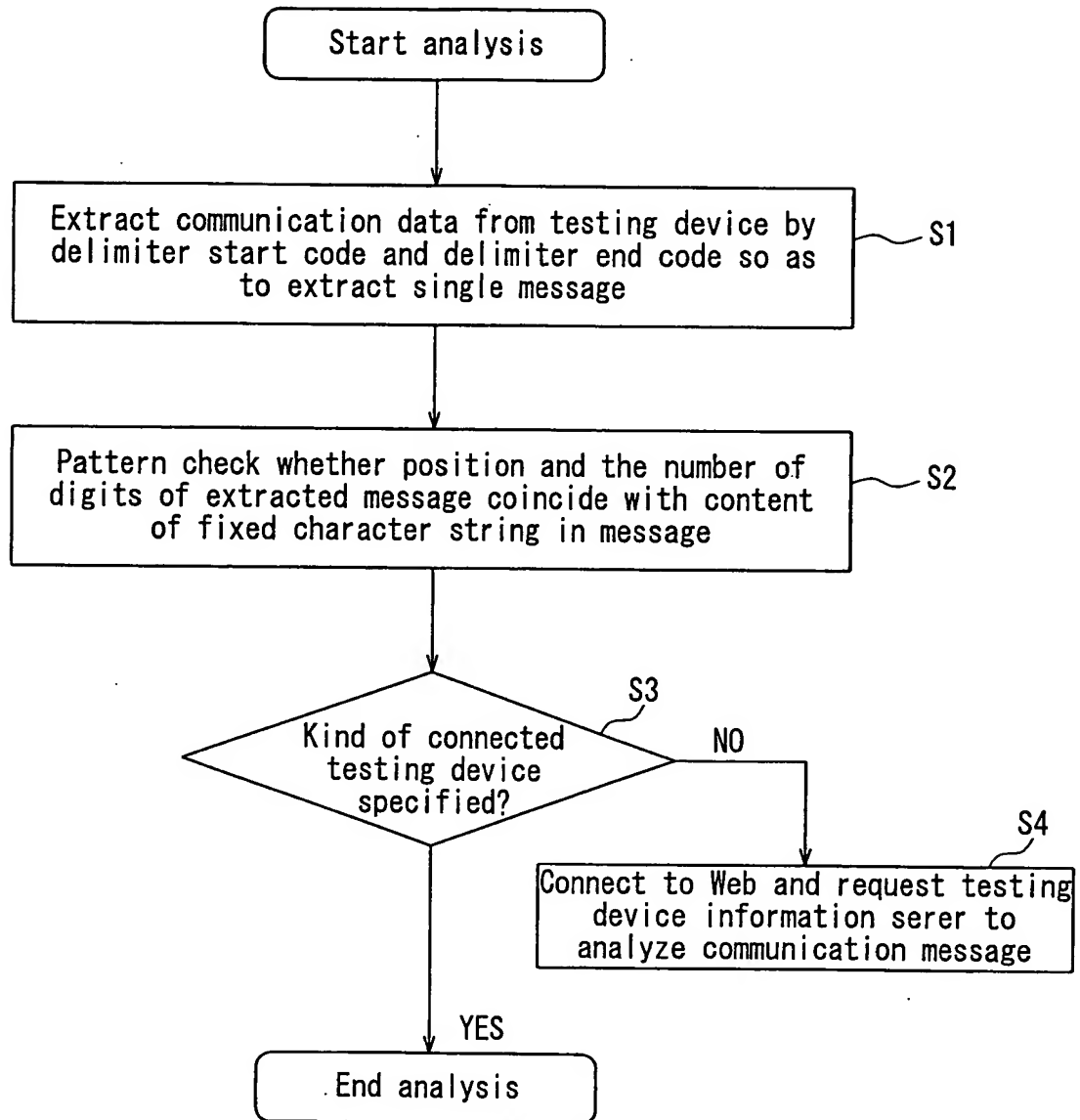


FIG. 9

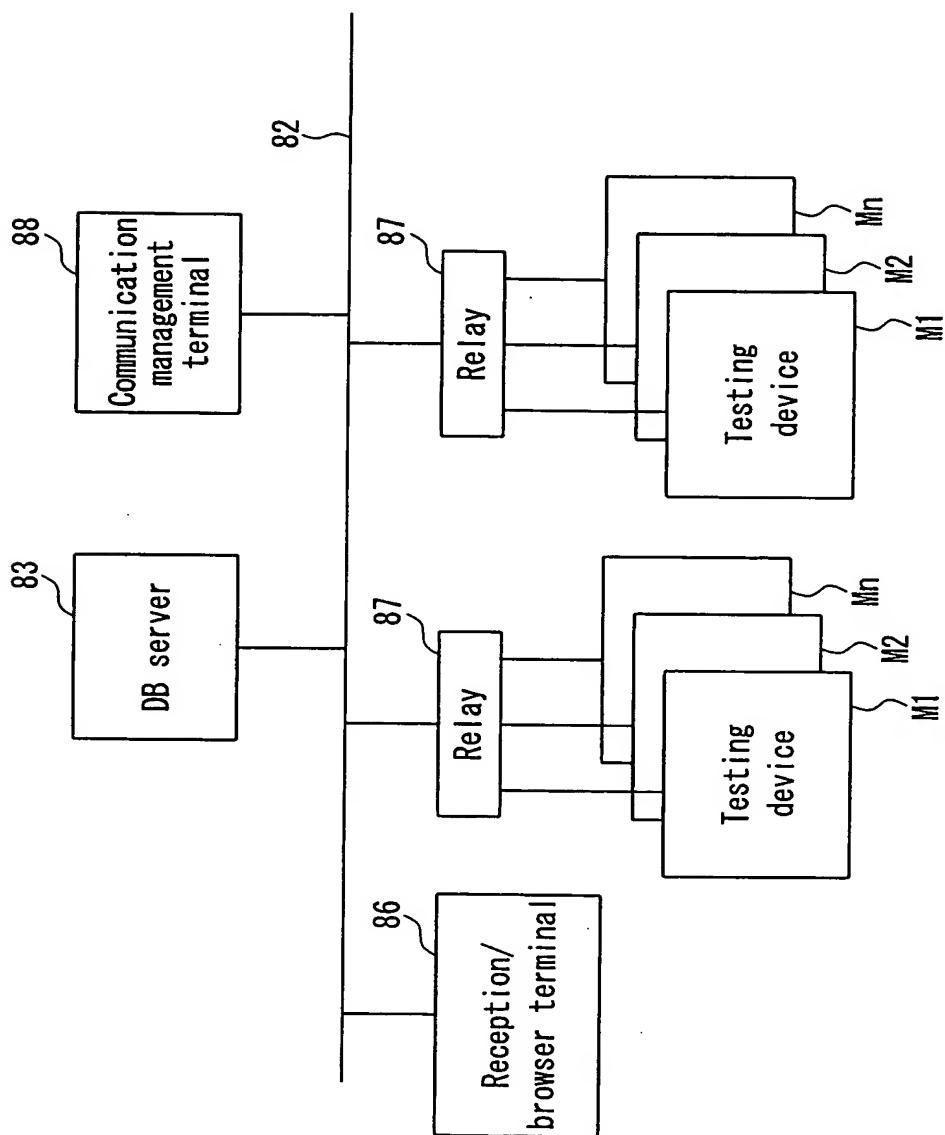


FIG. 10